



A RESOURCE ENGINEERING COMPANY

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environmental and engineering excellence

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Wells G+H
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June 26, 1987

David Delaney
Water Resources Division
United States Environmental Protection Agency
Region I
JFK Federal Building
Boston, MA 02203

Re: UniFirst Corporation, Woburn, Massachusetts

Dear Dave:

Enclosed is a summary table of analytical results for ground-water samples taken from the recently installed multi-port sampling devices in wells UC9 and UC10. Samples were taken from all of the working ports and analyzed by EPA method 624 for volatile organic compounds. Please let me know if you would also like the laboratory data sheets.

Sincerely,

Jeffrey T. Lawson, P.G.
Senior Program Manager

JTL/cjr

Enclosure

SUMMARY OF
EPA METHOD 624 ANALYTICAL RESULTS
FOR GROUND-WATER SAMPLES

MICROGRAMS PER LITER (Parts Per Billion)

WELL NO.	DEPTH OF PORT ¹	DATE	TETRACHLOROETHENE	TRICHLOROETHENE	TRANS 1,2 DICHLOROETHENE	1,1,1 TRICHLOROETHANE	1,1 DICHLOROETHANE	TOLUENE	ACETONE
UC10 ²	N/A	5/27/87	420	12	ND	ND	ND	ND	ND
UC10-1	243	6/8/87	39	8	21	7	ND	6	ND
UC10-1		6/15/87	ND	ND	10	ND	ND	5	87
UC10-2	227	6/8/87	570	38	44	24	ND	ND	ND
UC10-2		6/15/87	22	ND	20	ND	ND	6	110
UC10-3	181	6/8/87	NOT SAMPLED ³						
UC10-3		6/15/87	32	ND	14	ND	ND	7	ND
UC10-4 ⁴	158	6/8/87	480	31	24	ND	ND	245	ND
UC10-4		6/15/87	2300	ND	ND	ND	ND	140	ND
UC10-5 ⁴	129	6/8/87	760	ND	ND	ND	ND	ND	ND
UC10-5		6/15/87	880	40	27	ND	ND	25	ND
UC10-6	93	6/8/87	1400	86	48	32	8	16	ND
UC10-6		6/15/87	54	ND	ND	ND	ND	7	72
UC9-1	238	6/15/87	7	ND	ND	ND	ND	ND	ND
UC9-2	181	6/15/87	520	29	ND	ND	ND	ND	ND
UC9-3	149	6/15/87	40	ND	ND	ND	ND	6	ND
UC9-4	112	6/15/87	2500	ND	ND	ND	ND	ND	ND
UC9-5	60	6/15/87	NOT SAMPLED ³						
UC9-6	37	6/15/87	ND	ND	ND	ND	ND	ND	ND

Notes: 1. Sampling port depths are given in feet below ground surface. The depths are rounded off to the nearest whole foot.

- This sample was taken from the completed (total depth 243.5 feet) boring prior to installation of the Solinst device. Sample was taken by bailer through the drill rods from the bottom of the boring after bailing 30 times. This sample and its field blank contained 140 micrograms/liter and 54 micrograms/liter methylene chloride respectively. The shipping blank contained no detectable concentrations of volatile organic compounds.
- Ports were not sampled because drive gas (Nitrogen) leaks in the system prevented obtaining a sample.
- Samples from UC10 ports 4 and 5 taken on June 8, 1987 were somewhat frothy. Bubbles could not be eliminated entirely from the sample vials.
- The field and shipping blanks for the June 8 and 15, 1987 sample contained no detectable concentrations of volatile organic compounds.
- Sample ports were purged five times, except for the June 15, 1987 samples from UC10. Inadequate drive-gas reserve necessitated that ports UC10 3,4,5 and 6 be purged once, and that ports UC10 1 and 2 not be purged prior to sampling.
- The detection limits vary substantially among the parameters analyzed for and the samples. Refer to the laboratory data sheets for specific detection limits.

- Not Detected